WILLKIE FARR & GALLAGHER

RECEIVED

Washington, DC New York London Paris

Magana May

APR 1 6 1997

April 16, 1997

Federal Communications Commission Office of Secretary

Mr. William F. Caton Secretary Federal Communications Commission 1919 M Street. NW Washington, DC 20554

> Ex Parte Presentation in CC Docket No. 96-45 Federal-State Joint Board on, Universal Service; CC Docket Nos. 96-262, 94-1,/91-213 Access Charge Reform

Dear Secretary Caton:

As a follow-up to the meeting on April 1, 1997, between representatives of Time Warner Communications Holdings, Inc. ("TWComm") and James Coltharp, Special Counsel to Commissioner James H. Quello, attached herewith is a study entitled Defining the Universal Service Affordability Requirement: Community Income As a Factor in Universal Service Funding.

As discussed at the meeting, this study analyzes median household income data for each Census Block Group (CBG), as obtained from the Census Bureau, and compares such data with the results from one of the cost proxy models submitted to the Commission to determine high-cost fund requirements. High-cost funding requirements were determined at three revenue benchmark levels (i.e., \$20, \$30, \$40). The revenue benchmark reflects an average revenue per line considering basic service rates and revenue from discretionary services, and represents a level, which if below the relevant costs, would determine the amount of high-cost funding for a given geographic area, such as a CBG.

Mr. William F. Caton April 16, 1997 Page 2

The results show that high-income/high-cost CBGs account for a significant portion of potential high-cost fund requirements. For example, at a \$20 revenue benchmark, CBGs above the 70th percentile of income in each state would account for approximately \$4.5 billion, or 30 percent, of high-cost fund requirements. At a \$30 revenue benchmark, CBGs above the 70th percentile would account for \$1.8 billion, or 25 percent, of the requirement.

TWComm is hopeful that this study will provide useful information for the Commission as it implements the universal service provisions of the 1996 Telecommunications Act. Please include the study along with this cover letter in the records of the above-referenced proceedings (Docket Nos. 96-45, 96-262, 94-1 and 91-213). As required by Section 1.1206 of the Commission's rules, enclosed are eight (8) copies of this cover letter and the study, two copies for each docket to which they relate. Please let me know if you have any questions.

Sincerely,

Thomas Jones

Enclosures

cc: James Coltharp

DEFINING THE UNIVERSAL SERVICE "AFFORDABILITY" REQUIREMENT

Community Income As a Factor in Universal Service Funding.

The extent to which basic local telephone service is "affordable" to an individual consumer is critically dependent upon that consumer's relative income and wealth.

The Telecommunications Act of 1996 explicitly requires that "affordability" be included as a consideration in the development of a comprehensive universal service support mechanism: "Quality and rates — Quality services should be available at just, reasonable, and affordable rates." Taking its cue from the legislation, the Federal-State Joint Board on Universal Service (Joint Board), in its November 8, 1996 Recommended Decision on Universal Service policy, expressly concluded that "[c]ustomer income level is a factor that should be examined when addressing affordability."

The extent to which any given product or service is "affordable" obviously depends heavily upon the individual consumer's income and wealth. Thus, in developing a universal service support mechanism that conforms to the statutory requirement that basic local telephone service be "affordable," household income should somehow be included among the criteria under which the extent of universal service support is to be determined.

In fact, most states and the FCC currently apply income criteria in determining eligibility for income-targeted support programs such as "lifeline" and "Link-up America." For these programs, income (and other eligibility metrics) are determined on a customer-by-customer basis. These income-related funding schemes need not be affected by the creation of a formal universal service support mechanism, although the amount of such customer-specific support might change.

Both the FCC (in its March 8, 1996 NPRM) and the Joint Board (in its November 8, 1996 Recommended Decision) have advocated the use of so-called "cost proxy models" as a means for efficiently estimating the per-line incremental cost and the associated support requirement for a given geographical area.³ The various cost proxy models that have been offered examine costs at a highly granular level, in most cases with respect to geographic areas known as "Census Block Groups" (CBGs). A CBG is a demographic unit developed by the US Census Bureau that is described as

^{*} This paper was prepared on behalf of Time Warner Communications, with the assistance of Dr. Lee L. Selwyn, Susan M. Baldwin, and Melissa N. Markley, respectively, President, Vice President, and Analyst of Economics and Technology, Inc., Boston, Massachusetts 02108.

^{1. 47} U.S.C. § 254(b)(1). Emphasis supplied.

^{2.} In the Matter of Federal-State Joint Board on Universal Service, Recommended Decision, CC Docket No. 96-45, released November 8, 1996 (hereinafter "Recommended Decision"), at ¶ 129.

^{3.} Notice of Proposed Rulemaking and Order Establishing Joint Board, CC Docket No. 96-45, released March 8, 1996 at ¶¶ 31-34; Recommended Decision, at ¶¶ 7, 184-185.

Defining the Universal Service "Affordability" Requirement

including "usually between 250 and 550 housing units, with the ideal size being 400 housing units." There are approximately 200,000 CBGs nationwide. The CBG is a basic unit of Census aggregation, and is generally designed to embrace an area containing a relatively homogeneous population (with respect to geography, demographics, etc.) Thus, the *median* household income for a given CBG is generally representative of the *individual* household incomes within that CBG.

While the various cost proxy models undertake to simulate the structure of the local telephone service plant, and in so doing to estimate the per-access line cost of local telephone service on a forward-looking basis, none of the models that have been submitted in this proceeding consider the *income* of the households that are being examined as to their eligibility for high cost support. Significantly, however, such CBG-specific income data is routinely collected and reported by the Census Bureau, and can provide an additional benchmark against which the support requirement can be evaluated. The purpose of this study is to provide such data and examine the impact that income considerations can have on universal service funding requirements.

Subsidization of basic local telephone service without regard to income levels will impose inefficient economic burdens across all segments of the US telecommunications industry.

Failure to consider and apply an income test is inconsistent with the statutory requirement regarding "affordability," and is inefficient as a matter of economic policy. Subsidizing consumers who can fully afford to pay the cost of their telephone service — and whose decision to take service is unaffected by the presence of such a subsidy — serves only to impose significant costs and economic burdens upon other segments of the economy while producing no offsetting economic or social benefit. Among other things, a funding obligation that is larger than that which is necessary to achieve the universal service goal will serve to increase the costs of and barriers to entry, suppress demand for price-elastic services, and diminish the prospects for effective competition overall. The magnitude of these costs may be considerable. As demonstrated below, approximately 20-30% of the aggregate universal service funding requirement for high-cost areas (depending upon the level of the revenue benchmark) could be eliminated if the support were limited to households with incomes below the 70th income percentile, for example. This could mean that up to \$4.5 billion in support burden might be avoided annually if such a policy were adopted.

Table 1 below provides examples of just of few of the numerous high-income areas that would receive subsidies even at a \$40 per month support level. Appendix A provides additional examples of high-income communities in each of the states that would receive high-cost support with no incomedependent affordability criterion incorporated into the design of a universal service support program.

That high-income areas also exhibit high-cost characteristics should not be unexpected. Wealthy suburban communities are frequently characterized by large multi-acre lots and hilly terrains. As relatively low density areas, the cost proxies for these CBGs are often well above the average.

^{4. 1990} Census of Population and Housing, Summary Population and Housing Characteristics, New York, at A-3 to A-5.

Table 1

High-Cost Support Would Flow to Wealthy Communities
Under Pending USF Proposals:

Illustrative List of Areas Eligible for High-Cost Support

Community	Median Household Income	BCM2 Proxy Cost/Line	Annual Subsidy			
			\$20 level	\$30 level	\$40 level	
Bedford, New York	\$120,487	\$51.11	\$145,221	\$98,541	\$51,861	
Boca Grande, Florida	\$131,981	\$43.00	\$16,008	\$9,048	\$2,088	
Casper North, Wyoming	\$102,264 .	\$213.95	\$4,655	\$4,415	\$4,175	
Corpus Christi, Texas	\$126,113	\$40.85	\$24,520	\$12,760	\$1,000	
Dover, Massachusetts	\$104,977	\$40.94	\$137,953	\$72,073	\$6,193	
Greenwich, Connecticut	\$150,001	\$43.11	\$140,047	\$79,447	\$18,847	
Grosse Pointe Farms, Michigan	\$150,001	\$42.97	\$38,314	\$21,634	\$4,954	
Hilton Head, South Carolina	\$118,422	\$34.74	\$7,252	\$2,332	\$0	
Lake Wales, Florida	\$134,408	\$57.02	\$43,536	\$31,776	\$20,016	
Los Alamos, New Mexico	\$81,282	\$78.69	\$372,564	\$309,084	\$245,604	
McLean, Virginia	\$126,101	\$34.15	\$101,710	\$29,830	\$0	
Mercer Island, Washington	\$89,540	\$40.58	\$27,413	\$14,093	\$773	
Nashville-Davidson, Tennessee	\$123,582	\$37.79	\$56,786	\$24,866	\$0	
Riverside, Missouri	\$150,001	\$95.03	\$11,705	\$10,145	\$8,585	
Roswell-Alpha Retta, Georgia	\$150,001	\$38.78	\$49,805	\$23,285	\$0	
Scarsdale, New York	\$119,342	\$40.61	\$59,604	\$30,684	\$1,764	
Simi Valley, California	\$125,400	\$57.21	\$158,961	\$116,241	\$73,521	
Vail, Colorado	\$102,941	\$66.08	\$37,601	\$29,441	\$21,281	
Sources: BCM2, 1990 Census of	of Population an	d Housing Su	ımmary Tape I	File 3A.		

Methodological Approach

The BCM2 with the unadjusted default values was used to compute the cost of providing basic local exchange service in each of the nation's more than 200,000 census block groups (CBGs). These cost results were compared with three different monthly revenue benchmarks — \$20, \$30 and \$40 — in order to estimate the universal service funding (USF) requirement on a state-by-state basis (i.e., to generate the "default" results of the BCM2). This is the "baseline" case — i.e., the scenario whereby all households in high-cost areas would be eligible for subsidization, regardless of their income level.

Because the BCM2 does not include any of the income data from the Census data base for the CBGs whose proxy costs the Model undertakes to evaluate, this data was obtained from the Census Bureau and integrated with the BCM2 data base. Median household income was selected as an appropriate metric from the income data contained in the Census CBG data base. The purpose of the analysis was to overlay CBG income and CBG cost. Three different possible income guidelines for determining high-cost eligibility were defined and analyzed:

- 1. Only those CBGs with incomes below the 50th percentile (i.e., below the median income level) for each state would be eligible for high-cost support.⁷
- 2. Only those CBGs with incomes below the 70th percentile for each state would be eligible for high-cost support (i.e., the highest 30% would be ineligible).
- 3. Only those CBGs with incomes below the 90th percentile for each state would be eligible for high-cost support (i.e., the highest 10% would be ineligible).

While the median household income for the US as a whole is \$30,056, there is considerable variation in income levels from state to state. For example, Connecticut has the highest median

^{5.} Use of the BCM2 Model in no way implies endorsement of this model for determination of high-cost support funding. In fact, there is no reason to expect the pattern or overall magnitude of the results of this study to be substantially different if another cost proxy model is adopted. The BCM2 is designed in such a way as to a permit the modification of certain "user-specified" values. While the BCM2 default values were not revised for this analysis, their use does not in any sense constitute agreement with these values.

^{6. 1990} Census of Population and Housing Summary Tape File 3A. These data provide the most recent income statistics available from the Census Bureau. Mean and median household incomes have risen in nominal terms from 1990 to 1995, (see Current Population Reports, Series P-60, Income Statistics Branch/HHES Division, U.S. Bureau of the Census) and therefore there is a temporal mismatch between the costs examined (which are based upon estimates made in 1997) and the incomes examined (which were reported in 1990). One would expect, therefore, that the "actual" average incomes are greater than those reported in 1990. This mismatch of years does not influence the results of our analysis because we examine the income stratification rather than the income level, but it may influence any judgments that the FCC may make about the appropriate income guidelines for a high-cost fund.

^{7.} Because the analysis relies upon a ranking of the CBGs, the 50th, 70th, and 90th percentiles do not include 50%, 70% and 90% of the households, but rather 50%, 70%, and 90% of the CBGs.

Defining the Universal Service "Affordability" Requirement

household income (\$41,721), while Mississippi has the lowest (\$20,136). Since income levels tend to bear at least some relationship with the cost of living in a particular area (such as a state), the income distribution within each state was used to identify those CBGs falling below the three income thresholds (50th, 70th and 90th percentiles, respectively). For computational purposes, the 50%, 30%, and 10% of the CBGs, respectively, with the highest incomes, were identified to provide a reasonable approximation of comparing CBG incomes to the statewide income that corresponds with the 50th, 70th and 90th percentiles.

It should also be noted that all of the average income figures are biased downward because of the way the US Census Bureau treats incomes over \$150,000. The Census Bureau places all those with incomes above \$150,000 into the same bracket. Because of this grouping, a household with a \$1-million income is given the same statistical weighting as one with a \$150,000 income. Thus, very high incomes cannot be accurately captured in the analysis. Taking this fact into consideration would mean that many states and individual CBGs are even wealthier than they are represented to be by the Census data. This fact does not, however, affect the results because the CBGs in this income bracket would be assigned to the top percentiles, regardless of the "correct" absolute median average. However, it is relevant to an assessment of affordability and to the design of fair income guidelines.

The aggregate nationwide results for each of the three threshold percentiles (70th; 50th; 90th) and for the three revenue benchmark levels (\$20; \$30; \$40) are summarized in Tables 2-4 below.

^{8.} Furthermore, as noted previously, the incomes are those that were reported in 1990.

Table 2

High-Cost Support for CBGs with Household Incomes
In the Highest 30% in Each State

Support Level	Aggregat	Aggregate Annual High Cost Subsidy							
	Annual USF Subsidy to All CBGs under an Income-Blind Approach	Annual Subsidy going to CBGs with Highest 30% of Household Income	Percent of Total Subsidy going to High- Income CBGs						
\$20	\$14,664,182,818	\$4,468,284,015	30.5%						
\$30	\$7,424,505,733	\$1,765,844,278	23.8%						
\$40	\$4,258,662,622	\$780,669,907	18.3%						

Table 3

High-Cost Support for CBGs with Household Incomes
Above the Median Level in Each State

	Aggregate Annual High Cost Subsidy							
Support Level	Annual USF Subsidy to All CBGs under an Income-Blind Approach	Annual Subsidy going to CBGs with Above-Median Household Income	Percent of Total Subsidy going to High-Income CBGs					
\$20	\$14,664,182,818	\$7,900,816,877	53.9%					
\$30	\$7,424,505,733	\$3,563,607,287	48.0%					
\$40	\$4,258,662,622	\$1,807,377,281	42.4%					

Table 4

High-Cost Support for CBGs with Household Incomes
In the Highest 10% in Each State

•	Aggregate	e Annual High Cost Subs	idy
Support Level	Annual USF Subsidy to All CBGs under an Income-Blind Approach	Annual Subsidy going to CBGs with Highest 10% of Household Income	Percent of Total Subsidy going to High- Income CBGs
\$20	\$14,664,182,818	\$1,312,135,581	9.0%
\$30	\$7,424,505,733	\$412,468,003	5.6%
\$40	\$4,258,662,622	\$136,070,562	3.2%

The USF support requirements for each state are shown in Appendix B.

Conclusion

This study demonstrates that consideration of affordability as defined by income levels can have a significant impact on the size of universal service funding for high-cost areas. For example, Table 2 above shows that at a \$20 revenue benchmark, CBGs with median income levels among the highest 30% account for 30%, or \$4.5 billion, of the high-cost funding requirement. At a revenue benchmark of \$30, CBGs in the highest 30% of income levels account for nearly 25%, or \$1.8 billion.

The significance of these results suggest that policy makers need to consider such data in designing an economically efficient universal service program that properly considers the concept of affordability in accordance with statutory requirements.

Appendix A USF SUPPORT FOR SELECTED HIGH COST, HIGH INCOME LEVELS

Sources: BCM2, 1990 Census of Population and Housing Summary Tape File 3A

USF Support for Selected High Cost, High Income CBGs

State	Town	Monthly Cost	# HHs	\$40 support	\$30 support	\$20 support	Income
AL_	Auburn	\$60.82	6	\$1,499	\$2,219	\$2,939	\$150,001
AL.	Mtn. Brook	\$39.87	165	\$0	\$19,543	\$39,343	\$127,292
AL	Pike Road	\$46.78	63	\$5,126	\$12,686	\$20,248	\$112,072
AZ	Paradise Valley	\$37.01	272	\$0	\$22,881		\$137,299
AZ_	Phoenix (106), Paradise Valley (157)	\$51.98	263	\$37,809	\$69,369	\$100,929	\$112,349
CA	Alamo	\$62.93					\$134,883
CA	Alamo	\$87.66					\$122,478
CA	Calabasas	\$53.54					\$100,760
CA	Carmel	\$56.34				\$153,064	\$101,854
CA	Coto de Caza	\$43.62					\$100,765
CA	Diablo Range	\$75.57	41	\$17,500	\$22,420	\$27,340	\$150,001
- 4	Lafayette (11), Moraga (105), Central	957.56		400 705	242.22		
CA	Contra Costa (30)	\$57.56					\$117,064
CA	Laguna Beach (160), South Coast (548)	\$44.41					\$109,601
CA	Los Altos	\$42.75					\$123,670
CA	Los Angeles	\$45.41					\$105,511
CA	Los Gatos	\$45.06					\$107,582
CA CA	Los Gatos (176), San Jose (111)	\$54.60 \$41.35					\$100,187
	Monterey						\$150,001
CA	(15)	\$53.20					\$113,421
CA	Saratoga (138), San Jose (61)	\$51.58					\$111,557
CA	Simi Valley	\$57.2					\$125,400
CA	Thousand Oaks	\$76.74					\$100,472
CA	West Santa Clara	\$80.12 \$84.43					\$138,093 \$113,283
CA	West Santa Clara Woodside	\$64.9					\$106,514
<u> </u>	VVOOdside	304.9.	3 36	917,331	924,311	931,271	\$100,514
co	Cherry Hills Village	\$40.63	179	\$1,353	\$22,833	\$44 313	\$113,621
co	South Aurora	\$45.41					\$98,331
co	Vail	\$66.08					\$102,941
 • • • • • • • • • • • • • • • • • • •		1 333.53	<u> </u>	V2.1,201	1 020,111	1	10.02,011
CT	Fairfield	\$45.47	238	\$15,622	\$44,182	\$72.742	\$120,607
CT	Fairfield	\$48.02					\$114,074
CT	Greenwich	\$48.90					\$150,001
CT	Greenwich	\$44.77					\$150,001
CT	Greenwich	\$43.11				\$140,047	
CT	Greenwich	\$43.13				\$134,894	
CT	Greenwich	\$46.15	299	9 \$22,066	\$57,946	\$93,826	\$113,910
CT	New Canaan	\$46.07	33	4 \$24,329		\$104,489	\$150,001
CT	New Canaan	\$56.79				\$63,573	
CT	New Canaan	\$43.64	40				\$121,912
CT	New Canaan	\$45.33	52				\$121,363
CT	New Canaan	\$46.40					\$117,182
CT	New Canaan (469), Darien (10)	\$43.51					\$111,408
CT	Weston	\$59.13					\$142,866
CT	Wilton	\$46.88					\$116,095
CT	Wilton	\$43.10		7 \$11,42			\$109,343
СТ	Wilton	\$44.7	1 57	8 \$32,66	9 \$102,029	9 5171,38 9	\$105,432
-						014.55	10404 700
DC	Washington DC	\$31.9			0 \$1,912		\$134,792
DC	Washington DC	\$29.8	9 12	<u> 5</u>	0 \$(0 \$15,19	1 \$104,498

itate	Town	Monthly Cost	# HHs	\$40 support	\$30 support	\$20 support	Income
:L	Boca Grande	\$43.00	58	\$2,088	\$9,048		\$131,981
	Indian Creek Village	\$57.07	27	\$5,531	\$8,771		\$150,001
L	Jupiter Island	\$37.05	236	\$0	\$19,966	\$48,286	\$150,001
L	Kendall-Perrine	\$41.26	81	\$1,225	\$10,945	\$20,665	\$150,001
L	Lake Wales	\$57.02	98	\$20,016	\$31,776	\$43,538	\$134,408
L	North Key Largo	\$48.68	256	\$26,665	\$57,385	\$88,105	\$127,518
3A	Norcross	\$47.01	51	\$4,290	610.410	646 530	\$139,375
GA	Roswell-Alpharetta	\$38.78	221	\$7,250	\$10,410 \$23,285		\$150,001
GA GA	Sandy Springs	\$42.33	173	\$4,837	\$25,597		\$150,001
GA GA	Sandy Springs	\$34.90	33	\$4,007	\$1,940		\$150,001
GA GA	Sandy Springs	\$38.03	145	\$0	\$13,972		\$132,960
GA GA	St. Simons	\$56.58	194	\$38,598	\$61,878		\$150,001
<u> </u>	OL OIL FIGURE	400.00		700,500	401,070	\$00,100	3130,001
HÍ	Honolulu	\$33.51	1,076	\$0	\$45,321	\$174,441	\$111,017
		700.0.	1,0.0		0.001001	7,7,7,7	0111,011
IA	Bloomfield	\$61.07	22	\$5,562	\$8,202	\$10.842	\$102,500
iA	Sioux City	\$40.30	218				
=			1				
IL	Barrington Hills Village	\$52.61	165	\$24,968	\$44,768	\$64,568	\$114,115
	Barrington Hills Village (9), Inverness						
IL,	Village (148)	\$45.03	157	\$9,477	\$28,317	\$47,157	\$137,526
IL,	Giencoe Village	\$38.00	411	\$0	\$39,456		\$150,001
IL,	Giencoe Village	\$37.47	295	\$0	\$26,444		\$150,001
IL	Lake Forest	\$32.10	245	\$0	\$6,174		\$150,001
IL	Lake Forest	\$41.17	222	\$3,117			\$125,000
IL	Oak Brook Village	\$35.13	151	\$0			\$150,001
IN	Carmel	\$41.19	61	\$871	\$8,191		\$150,001
IN	Indianapolis	\$39.40			\$18,274	\$37,714	\$102,611
IN	Indianapolis	\$38.23	352	\$0	\$34,764	\$77,004	\$100,294
							0.00
KS	Olathe	\$51,49					
KS	Overland Park (7), Oxford (48)	\$54.53	55	\$9,590	\$16,190	\$22,790	\$130,125
101	Oli	£24.47	100		\$5.046	052.046	8400 077
KY	Gienview Hills	\$31.17	400	\$0	\$5,616	333,010	\$108,877
IA	East Baton Rouge	\$36.78	300	\$0	\$24,408	\$60,408	\$95,518
LA	New Orleans	\$27.86					\$104,704
LA	New Orleans	\$28.06		\$(\$13.734	\$98,518
LA	Shreveport	\$29.02					
-				1			
MA	Dover	\$40.94	549	\$6,193	\$72,073	\$137,953	\$104,977
MA	Dover	\$42.35					\$103,320
MA	Harvard	\$47.63					\$100,415
MA	Lincoln	\$40.42					\$108,561
MA	Southborough	\$52.90					
MA	Weston	\$49.8					\$125,415
MD	Clarksville	\$45.5					\$150,001
MD	Clarksville	\$36.3					\$115,812
MD	N. Potomac	\$38.2			0 \$27,22		5 \$150,001
MD	Potomec	\$30.1			0 \$3,58		5 \$150,001
MD	Potomac	\$33.7	7 44	0 \$	0 \$19,90	8 \$72,70	8 \$143,588
	r outries						
<u> </u>							
MI	Bioomfield	\$38.9			0 \$39,72		9 \$150,001
MI	Bloomfield Bloomfield	\$46.5	3 10	8 \$8,46	3 \$21,42	3 \$34,38	3 \$150,001
	Bioomfield		3 10 4 29	8 \$8,46 4 \$2,61	3 \$21,42 1 \$37,89	3 \$34,38 1 \$73,17	

USF Support for Selected High Cost, High Income CBGs

tate	Town	Monthly Cost	# HHs	\$40 support	\$30 support	\$20 support	Income
						200	
	North Oaks	\$31.66	454	\$0	\$9,044		\$125,660
	Rochester	\$47.68	152	\$14,008	\$32,248		\$123,572
ΛN	Rochester	\$53.06	251	\$39,337	\$69,457	\$99,577	\$103,286
4O	Ladue	\$37.63	180	\$0	\$16,481		\$117,296
10	Riverside	\$95.03	13	\$8,585	\$10,145	\$11,705	\$150,001
				····			
1 <u>C</u>	Charlotte	\$37.68	79	\$0	\$7,262		\$134,410
VC	Charlotte	\$42.49	55	\$1,643	\$8,243	\$14,843	\$127,293
15	1	607.70	440		010.000	405.000	0450 004
VE.	McArdie	\$37.70	119	\$0	\$10,996	\$25,276	\$150,001
1J	Kinnelon	\$63.21	204	\$56,818	\$81,298	\$408.770	6107 995
<u>17</u>	Kinnelon	\$70.50	498	\$182,268	\$242,028		\$127,885
<u>11</u>	Medford	\$62.95	23	\$6,334	\$9,094		\$111,006 \$150,001
<u>11</u>	Mendham	\$54.06	172	\$29,020	\$49,660		
NJ LV	Rumson	\$41.69	178	\$3,569	\$24,689		\$150,001 \$150,001
14		471.08	170	40,009	\$24,009	\$45,609	\$130,001
NM	Albuquerque	\$29.56	458	\$0	\$0	\$52.542	\$106,240
NM	Albuquerque	\$31.95	453	\$0	\$10,600		
NM	Los Alamos	\$78.69	529	\$245,604			
NM	Sandia Hts. (81), Albuquerque (25)	`\$58.54	106	\$23,583	\$36,303	\$49,023	
14141	Sanda ris. (61), Abaquerque (20)	430.54	100	420,000	430,303	449,023	\$65,363
NV	Reno-Sparks	\$39.63	175	\$0	\$20,223	\$41,223	\$94,342
-	Trello-operice	400.00	 	40	920,223	971,225	997,072
NY	Bedford	\$47.01	315	\$26,498	\$64,298	\$102 098	\$150,001
NY	Bedford	\$51.11					\$120,487
NY	Mt. Pleasant	\$57.75			\$64,269		\$108,732
NY	New Castle	\$47.71			\$35,491	\$55.531	\$116,167
NY	New Castle	\$58.71					\$109,563
NY	North Castle	\$54.40					\$128,855
NY	Pound Ridge	\$45.54					\$109,027
NY	Pound Ridge	\$57.17					\$106,793
NY	Rye	\$45.91			\$30,356		\$150,001
NY	Rye	\$40.72					\$108,725
NY	Scarsdale	\$40.61					\$119,342
			1	7.3, 5.		433,53	1
ОН	Bexiey	\$43.87	178	\$8,173	\$29,293	\$50,413	\$150,001
ОН	Hunting Valley Village	\$56.16					\$126,786
ОН	Madison	\$51.26					\$127,308
ОН	Shaker Heights	\$39.99					\$150,001
ОН	The Village of Indian Hill	\$41.98					\$150,001
	The Village of Indian Hill (589), Sycamore			1			
ОН	(213)	\$38.29	802	so	\$79,783	\$176,023	\$148,752
OK	Edmond	\$41.26	363	\$5,489	\$49,049	\$92,609	\$99,059
OK	Tulsa	\$45.15					\$150,001
OK	Tulsa	\$34.46					
OR	Portland	. \$34.87			\$23,025	\$70,305	\$105,991
OR	Portland	\$31.39					\$91,295
PA	Derry	\$96.70		7 \$4,76			\$150,001
PA	Fox Chapel	\$32.64					7 \$123,339
PA	McCandless	\$38.9	3 17	0 \$(\$18,278		8 \$137,012
PA	Pennsbury	\$35.5			\$6,160	\$17,20	\$101,299
PA	Wycombe	\$89.8	4 1	1 \$8,579	\$7,899	\$9,21	9 \$150,001

USF Support for Selected High Cost, High Income CBGs

tate	Town	Monthly Cost	# HHs	\$40 support	\$30 support	\$20 support	Income
ı	Barrington	\$32.23	370	\$0	\$9,901	\$54,301	\$90,023
1	Providence	\$35.37	220	\$0	\$14,177	\$40,577	\$97,138
11	Providence	\$37.30	373	\$0	\$32,675	\$77,435	\$96,432
21	Providence	\$33.10	200	\$0	\$7,440	\$31,440	\$96,432
	Libes Head Island	\$34.74	41			07.050	0440 404
iC iC	Hilton Head Island	\$38.46	219	\$0	\$2,332		\$118,422
<u></u>	Pontiac .	330,40	219	\$0	\$22,233	\$48,513	\$100,240
N	Forest Hills (233), Oakhill (8)	\$40.75	241	\$2,169	\$31,089	\$60,009	\$106,76
'n	Germantown	\$31.07	461		\$5,919	\$61,239	\$94,99
'n	Germantown (843), Memphis (23)	\$30.29	866	\$0	\$3,014	\$106,934	\$97,78
'n	Germantown (560), Memphis (23)	\$33.77	583	\$0	\$26,375	\$96,335	\$87,38
	Nashville-Davidson (150), Forest Hills	Ţ					•
N	(116)	\$37.79	266	\$0	\$24,866	\$56,786	\$123,58
	Corava Christi	\$40.85	98	\$1,000	640 760	e24 520	8438 44
X	Corpus Christi Dallas	\$29.09			\$12,760	\$24,520	
TX	Houston	\$30.13			\$0 \$179	\$32,833 \$13,979	
i x-	Hunters Creek Village	\$35.93			\$14,445	\$38,805	
rx	San Antonio ·	• \$35.93			\$14,303	\$38,423	
ix	San Antonio	\$38.73			\$23,466	\$50,346	
rx -	Tyler	\$35.02			\$1,024	\$3,084	
	Tylei	400.02	+-"	30	\$1,027	93,004	\$130,00
JT_	Cottonwood Hts. (267), Holladay (35)	\$37.15	302	\$0	\$25,912	\$62,152	\$99,21
VA	Great Falls	\$42.97	426	\$15,183	\$66,303	\$117,423	\$119.72
VA	McLean	\$32.09			\$1,279		\$150,00
VA	McLean	\$34.15			\$29,830	\$101,710	
	McLean (88), Great Falls (457),	 	1	1		1	1
VA	Dranesville (73)	\$34.76	618	\$0	\$35,300	\$109,460	\$121.20
VA	Springfield	\$47.55			\$46,964		\$106,46
VA	Springfield	\$41.98			\$11,932		\$105,13
WA	East Seattle (225), Bellevue (37), Eastgate (9)	\$38.01	27	1 \$0	\$19,545	\$52.065	\$103,40
WA	Medina	\$43.52			\$24,336	\$42,336	
WA	Mercer Island	\$40.58			\$14,093		\$89,54
WA	Seattle	\$31.57			\$3,542		\$135,0
WA	Seattle	\$32.29			\$8,299		\$110,7
WI	Bayside (35), Mequon (589)	\$33.27					\$108,4
WI	River Hills	\$26.18					\$110,7
W	Whitefish Bay	\$28.30	3 39	8 \$0	\$0	\$39,927	\$99,4
WY	Casper North	\$213.9	5	2 \$4,175	\$4,415	\$4.655	\$102,2
WY	Douglas	\$210.74		4 \$28,684			\$125,8
WY	Gillette South	\$208.5		3 \$6,069			\$102,2
WY	Gillette South	\$205.4		2 \$23,823			\$84,5
WY	Kayces	\$205.4		1 \$1,986			\$150,0
WY	Kaycee	\$213.4		0 \$20,812			\$102,2
							

Appendix B

STATE-SPECIFIC ANALYSIS

	Total Support for	Total Support for	% Difference	Total Support for		Total Support for	% Difference
	100% CBGs*	Bottom 90%	(100%-90%)/100%	Bottom 70%	(100%-70%)/100%	Bottom 50%	(100%-50%)/100%
labama	2400 200 244	0.000.000		444		000 000	
40 benchmark	\$108,269,744	\$105,590,367	2.5%	\$86,467,581	20.1%	\$55,705,736	48.5%
30 benchmark	\$198,562,895	\$189,287,545	4.7%	\$149,404,052	24.8%	\$94,459,607	52.4%
20 benchmark	\$348,469,876	\$318,552,809	8.6%	\$241,572,100	30.7%	\$153,954,788	55.8%
tH Income	\$23,597	\$36,097		\$26,012	<u> </u>	\$21,379	
Alaska	 						
40 benchmark	\$27,791,223	\$25,869,293	6.9%	\$21,833,781	21.4%	\$16,628,316	40.2%
30 benchmark	\$38,993,835	\$35,803,695	8.2%	\$28,950,612	25.8%	\$21,492,325	44.9%
20 benchmark	\$57,550,955	\$51,976,327	9.7%	\$40,559,980	29.5%	\$29,093,549	49.4%
H Income	\$41,408	\$60,000		\$47,083		\$39,583	
Arizona		400 000		450 450 .44	ļ		
40 benchmark	\$86,565,140	\$82,788,550	4.4%	\$75,579,402	12.7%		27.9%
30 benchmark	\$127,398,841	\$119,146,275	6.5%	\$104,423,144	18.0%	\$82,583,791	35.2%
320 benchmark	\$243,042,550	\$222,724,431	8.4%	\$180,959,939	25.5%		44.9%
HH Income	\$27,540	\$48,750	 	\$33,908	 	\$26,128	
Arkanasa	 	 	 			 	
Arkansas 340 benchmark	\$113,799,749	\$110,397,032	3.0%	\$89,488,916	21.4%	\$58,940,981	48.2%
\$30 benchmark	\$175,545,100		4.6%	\$132,497,319			50.8%
\$20 benchmark	\$265,795,537		7.4%	\$189,193,505			
HH income	\$21,147			\$23,382		\$19,537	
	V=7,7,7,1				 	4:5125	
California			J		,		
\$40 benchmark	\$142,588,890			\$122,692,308			
\$30 benchmark	\$281,183,843						42.99
\$20 benchmark	\$882,564,449						
HH Income	\$35,798	\$61,228		\$43,750	<u> </u>	\$34,583	
	<u> </u>	 	 	 	 	<u> </u>	
Colorado	474 796 486	247 490 704	8.494	\$58 338 810	34 50	£39 960 430	45.00
\$40 benchmark	\$71,726,168						
\$30 benchmark	\$111,565,611 \$216,517,631						
\$20 benchmark HH Income	\$30,140			\$35,809		\$27.122	
TH IIICOILE	\$30,140	300,000	'	300,000		747,124	\
Connecticut	 	 				 	
\$40 benchmark	\$30,760,236	\$27,843,412	9.5%	\$18,705,975	39.29	\$8,850,541	71.29
\$30 benchmark	\$89,893,084	\$59,872,418	14.3%	\$38,792,185	44.59	\$18,927,128	72.99
\$20 benchmark	\$167,163,841	\$145,671,694	12.9%	\$100,569,127	39.89	\$56,741,090	66.19
HH income	\$41,721	\$66,401		\$51,101		\$42,344	
		<u> </u>	- 	<u> </u>		<u> </u>	
Delaware	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	40 459 040		440000		45.00/ 50	
\$40 benchmark							
\$30 benchmark							
\$20 benchmark				\$26,501,786 \$39,175		\$18,463,844 \$31,836	
HH Income	\$34,875	352,354	·	338,176	<u> </u>	331,830	'
DC	 	 	 	 	+	+	+
\$40 benchmark	\$10,87	\$10,877	7 0.09	\$10,877	7 0.09	\$10,87	0.09
\$30 benchmark							
\$20 benchmark				\$2,939,98	1 24.04		
HH income	\$30,72			\$42,29		\$31,31	
Florida	<u> </u>						
\$40 benchmark							
\$30 benchmark							
\$20 benchmark							
HH Income	\$27,48	3 \$43,81	8	\$31,35	5	\$25,47	<u> </u>
Georgia		+	 	 		+	
Georgia		2 \$117,305,81	2	K	4 10.6	% \$73,946,86	37.7
\$40 benchmark							
\$30 benchmark							
\$20 benchmeri							

State	Total Support for 100% CBGs *		% Difference (100%-00%)/100%	Total Support for Bottom 70%	% Difference (100%-70%)/100%	Total Support for	% Difference (100%-50% V100%)
						DOMONII OD N	(WATER TOWN
lawaii							
40 benchmark	\$12,303,412	\$12,044,175	2,1%	\$11,279,216	8.3%	\$8,938,137	27.4%
30 benchmark	\$22,693,811	\$21,674,565	4.5%	\$19,141,719	15.7%	\$14,150,848	37.6%
20 benchmark	\$51,291,616	\$46,317,775	9.7%	\$36,303,998	29.2%	\$25,554,663	50.2%
HH Income	\$38,829	\$60,782		\$45,764		\$38,082	-
7-							
daho							
40 benchmark	\$49,047,890	\$47,092,159	4.0%	\$37,759,597	23.0%	\$24,793,610	49.5%
\$30 benchmark	\$67,793,723	\$64,023,742	5.6%	\$50,832,427	25.0%	\$32,684,459	51.8%
\$20 benchmark	\$101,014,177	\$92,642,161	8.3%	\$72,034,928	28.7%	\$46,434,617	54.0%
HH Income	\$25,257	\$37,398		\$28,125		\$23,958	
Illinois							
\$40 benchmark	\$122,421,435	\$120,752,361	1.4%	\$108,863,692	11.1%	\$80,601,001	34.2%
\$30 benchmark	\$228,954,576	\$218,107,954	4.7%	\$184,877,996	19.3%	\$132,668,659	42.1%
\$20 benchmark	\$528,026,002	\$481,598,695	8.8%	\$373,940,439	29.2%	\$255,952,129	51.5%
HH income	\$32,252	\$53,587		\$38,281		\$30,637	
Indiana							
\$40 benchmark	\$94,865,121	\$88,287,710	6.9%	\$80,392,160	36.3%	\$33,228,419	65.0%
\$30 benchmark	\$185,030,110	\$167,684,194	9.4%	\$113,477,704	38.7%	\$63,075,851	65.9%
\$20 benchmark	\$368,748,293	\$324,580,367	12.0%	\$224,537,993	39.1%		
HH Income	\$28,797	\$41,930		\$32,292		\$27,361	
	T		1			I	T
lowa	T						Ţ
\$40 benchmark	\$97,944,063	\$94,474,730	3.5%	\$75,531,382	22.99	\$49,267,813	49.7%
\$30 benchmark	\$155,771,649	\$148,030,861	5.0%	\$117,272,897	24.79	\$77,808,742	, 50.1%
\$20 benchmark	\$253,959,119	\$235,101,678	7.4%	\$183,269,997	27.89	\$122,342,739	51.8%
HH Income	\$26,229	\$37,714		\$29,219		\$25,323	
			1				
Kansas							<u> </u>
\$40 benchmark	\$93,776,223	\$90,772,029	3.2%	\$70,628,391	24.79	\$48,092,739	48.7%
\$30 benchmark	\$135,528,850		5.1%			\$67,064,787	
\$20 benchmark	\$216,661,281	\$198,241,586	8.5%				
HH Income	\$27,291		<u> </u>	\$30,000		\$24,464	
	- 	<u> </u>	<u> </u>			<u> </u>	·
Kentucky	<u> </u>		1			T	
\$40 benchmark	\$109,247,643	\$106,611,840	2.4%	\$92,220,015	15.69	\$89,535,849	36,4%
\$30 benchmark							
\$20 benchmerk	\$323,873,103			\$242,804,703	25.09		
HH Income	\$22,534			\$26,386		\$20,833	3
		<u> </u>					.
Louisiana		<u> </u>			T	***************************************	
\$40 benchmark	\$86,405,060	\$84,690,032	2.09	\$72,727,84	15.8	\$46,076,718	46,7%
\$30 benchmark							
\$20 benchmark	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
HH Income	\$21,949			\$25,92		\$20,09	
		3371		1 7 7 7 7 7 7		7-3,5-3	
Maine		1	 	1	1		
\$40 benchmark	\$83,273,866	\$77,194,773	7.39	\$61,719,81	7 25.9	\$ \$44,868,02	2 46.1%
\$30 benchmerk							
\$20 benchmark							
HH Income	\$27,85			\$31,46		\$27,32	
. II I III III	42,00	700,100				72.,00	
Maryland			 	 	+	 	+
\$40 benchmari	k \$23,251,53	1 \$22,860,473	1.79	\$20,170,04	2 13.3	% \$15,472,34	4 33.59
\$30 benchmari							
\$20 benchmark							
HH Income	\$39,38			\$46,70		\$37.01	
				T		1	·
Massachusett	10	 	- 	+			-
\$40 benchman		3 \$30,856,08	3 9.7	\$ \$22,452,41	34.3	% \$11,836,66	65.49
\$30 benchmar							
\$20 benchmer							
HH Income	x \$432,967,72 \$36,96			\$44,43		\$36,87	
THE RECORD	\$50,90	- +00,20	* 			300,00	
Michigan					+		
\$40 benchmer	k \$133,039,13	5 \$130,056,27	7 2.2	E 100 000 0	17.4	% \$81,984,0°	38.4
820							
\$30 benchmar \$20 benchmar							

	Total Support for	Total Support for	% Difference	Total Support for	% Difference	Total Support for	% Difference
	100% CBGs *	Bottom 90%	(100%-80%)/100%		(100%-70%)/100%	Bottom 50%	(100%-50%)/100%
/linnesota							
\$40 benchmark	\$125,519,748	\$124,006,166	1.2%	\$114,743,408	8.6%	\$87,825,843	30.0%
\$30 benchmark	\$192,788,716	\$187,646,156	2,7%	\$166,474,499	13.6%	\$124,241,450	35.6%
\$20 benchmark	\$329,231,659	\$308,291,331	6.4%	\$253,399,823	23.0%	\$182,516,926	44.6%
HH Income	\$30,909	\$48,750	ļ	\$35,282		\$28,036	
Min-ii		 					
Mississippi	\$92,713,783	\$89,987,899	2.9%	\$75,324,097		454 000 504	
\$40 benchmark \$30 benchmark	\$157,912,848	\$149,651,058	5.2%	\$121,885,589	18.8% 22.8%	\$51,932,598 \$82,448,821	44.0%
\$20 benchmark	\$253,971,695	\$234,493,387	7.7%	\$186,111,878	26.7%	\$126,135,225	47.8%
HH Income	\$20,136	\$33,125	· · · · · · · · · · · · · · · · · · ·	\$23,194	20.176	\$18,920	50.3%
	V.C. , 100	1	 			\$10,020	
Missouri				······································	f		
\$40 benchmark	\$175,081,457	\$172,514,535	1.5%	\$151,478,675	13.5%	\$108,563,900	38.0%
\$30 benchmark	\$256,866,861	\$249,315,074	2.9%	\$212,068,172	17.4%	\$149,705,764	41.7%
\$20 benchmark	\$423,818,132	\$391,240,470	7.7%	\$312,841,063	26.2%	\$216,068,718	
HH Income	\$26,362	\$41,027		\$29,228		\$22,879	<u> </u>
Montana							
\$40 benchmark	\$55,338,185		7.9%	\$39,833,923	28.0%	\$27,335,944	
\$30 benchmark	\$72,177,350		8.3%	\$50,898,687	29.5%	\$34,222,707	
\$20 benchmark	\$99,429,580			\$68,333,776	31.3%	\$45,188,978	
HH income	\$22,988	\$35,000	 	\$26,750	<u> </u>	\$22,135	<u> </u>
W. C		 				 	
Nebraska	274 445 404	870 240 020	1.7%	\$57,910,010	10.00	044400040	
\$40 benchmark \$30 benchmark	\$71,445,601 \$99,355,252	\$70,249,030 \$95,409,092		\$7,910,010 \$78,488,365	18.9%		
\$20 benchmark	\$149,255,436			\$110,340,276	21.0%		43.9%
HH Income	\$26,016			\$28,438		\$23,750	
TH MCOME	\$20,010	\$39,700		\$20,500	+	\$23,/30	'
Nevada	 	 	 		 	 	
\$40 benchmark	\$34,196,875	\$32,222,047	5.8%	\$26,893,125	21.49	\$19,538,804	42.9%
\$30 benchmark	\$47,574,874			\$35,088,855			
\$20 benchmark	\$83,727,699			\$59,151,907			
HH Income	\$31,011			\$38,659		\$31,023	
		1		1,3,3,3	 	1	
New Hampshire							
\$40 benchmark	\$38,727,493	\$36,156,715	6.6%	\$28,218,719			57.09
\$30 benchmark	\$65,434,007	\$59,411,365	9.2%	\$44,744,226	31.69	\$28,860,215	55.99
\$20 benchmark	\$106,138,535						
HH Income	\$36,329	\$52,177	<u> </u>	\$40,417	<u>' </u>	\$34,375	
	<u> </u>		<u> </u>	<u> </u>		<u> </u>	
New Jersey	0.000000	24000004		040.000.446		0.0	
\$40 benchmark	\$17,362,688						
\$30 benchmark	\$60,829,712						
\$20 benchmark	\$233,915,933			\$143,244,506 \$50,305			
HH Income	\$40,927	300,000	'} -	350,300	' 	\$40,363	<u>'</u>
New Mexico	 		+	 			
\$40 benchmark	\$65,674,196	\$63,073,967	4.0%	\$53,681,471	18.39	\$41,586,961	36.79
\$30 benchmark	\$88,829,000						
\$20 benchmark							
HH Income	\$24,08			\$27,32		\$21,46	
	1		 	1		†	<u> </u>
New York							
\$40 benchmark	\$166,623,79	4 \$163,102,38	2.19	\$151,936,67	8.89	\$115,217,85	1 30.99
\$30 benchmark	\$307,167,66	7 \$292,269,16	4.99	\$255,691,010	16.69	\$181,425 <u>,59</u>	
\$20 benchmark	\$859,610,41						
HH Income	\$32,96	\$ \$58,82	7	\$42,00	0	\$32,29	2
North Carolina							
\$40 benchmark							
\$30 benchmark							2 47.4
\$20 benchmark							
HH Income	\$26,64	7 \$40,25	7	\$29,85	0 1	\$25,06	21

	Total Support for			Total Support for	% Difference	Total Support for	% Difference
State	100% CBGs *	Bottom 90%	(100%- 0 0%)100%	Bottom 70%	(100%-70%)/100%	Bottom 60%	(100%-60% y100%
North Dakota	453 101 100	272 272 200					
\$40 benchmark	\$57,124,436	\$52,749,783	7.7%	\$40,702,308	28.7%		48.8%
\$30 benchmark	\$70,790,328	\$64,832,043	8.4%	\$50,405,243	28.8%		48.9%
\$20 benchmark	\$92,077,432	\$83,042,027	9.5%	\$64,617,956	29.8%		50.2%
HH Income	\$23,213	\$33,534		\$25,625		\$21,591	
Ohio							
\$40 benchmark	\$128,393,296	\$124,464,191	3.1%	\$90,993,485	29.1%	\$47,255,869	63.2%
\$30 benchmark	\$272,185,011	\$254,910,124	6.3%	\$182,806,970	32.8%		64.1%
\$20 benchmark HH Income	\$614,504,596 \$28,706	\$551,939,009 \$43,854	10.2%	\$393,651,819	35.9%	\$227,060,678	63.0%
rari income	320,700	\$43,004		\$33,113	 	\$27,188	
Oklahoma							
\$40 benchmark	\$100,984,247	\$97,175,241	3.8%	\$77,387,369	23.4%	\$52,178,889	48.3%
\$30 benchmark	\$158,856,469	\$150,239,913	5.4%		26.1%	\$78,970,826	50.3%
\$20 benchmark	\$267,259,957	\$244,439,341	8.5%	\$184,563,748	30.9%		53.8%
HH Income	\$23,577	\$37,917		\$26,818		\$21,333	
Oregon	 						
\$40 benchmark	\$77,502,634	\$74,468,504	3.9%	\$60,656,911	21.7%	\$42,022,874	45.8%
\$30 benchmark	\$119,637,078	\$112,071,803	6.3%		27.0%		50.6%
\$20 benchmark	\$216,925,875	\$196,290,456	9.5%		32.4%		
HH Income	\$27,250	\$40,369		\$30,683		\$25,500	1
Booneytyppin							
Pennsylvania \$40 benchmark	\$163,593,183	\$161,735,506	1.1%	\$140,441,627	14.2%	\$99,357,855	39.3%
\$30 benchmark	\$301,994,936	\$291,026,075	3.6%		21.8%		
\$20 benchmark	\$612,775,392	\$557,932,048	8.9%				
HH income	\$29,069	\$44,556		\$32,857		\$26,906	
Rhode Island	\$6,773,314	\$5,709,094	15.7%	93 304 606		2400 440	
\$40 benchmark \$30 benchmark	\$15,697,779		17.79				
\$20 benchmark	\$43,928,435	\$37,439,372	14.89				88.6% 74.7%
HH Income	\$32,181			\$38,047		\$32,344	
7	000,101	V.5,551					+
S. Carolina							
\$40 benchmark	\$81,374,752		1.99				39.2%
\$30 benchmark							
\$20 benchmark	\$279,168,085		7.19				
HH Income	\$26,256	\$40,921		\$30,066		\$24,656	
S. Dakota	 		 	 	 	 	
\$40 benchmark	\$52,449,770	\$49,080,400	6.49	\$38,474,592	26.69	\$27,093,580	48.3%
\$30 benchmark	\$69,560,205	\$64,696,508	7.09	\$50,385,200	27.69	\$35,540,457	48.9%
\$20 benchmark							
HH Income	\$22,503	\$32,009		\$24,406		\$21,028	<u> </u>
Tennessee		 	+	-		 	
\$40 benchmark	\$113,374,821	\$110,026,017	3.01	593,680,417	17.49	\$63,225,035	44.2%
\$30 benchmark		V					
\$20 benchmark		\$358,799,780	8.39				
HH Income	\$24,807			\$28,129		\$22,70	
Tayaa	<u> </u>	 	+				
\$40 benchmark	\$272,533,671	\$269,453,788	1.14	\$ \$235,680,71	13.59	\$ \$157,627,71	42.29
\$30 benchmark							
\$20 benchmark							
HH Income	\$27,016			\$31,82		\$24,33	
Utah	4-4	464 400 40		402.000.00	4	444 000 44	0000
\$40 benchmeri							
\$30 benchmari							

	Total Support for	Total Support for	% Difference	Total Support for		Total Support for	% Difference
State	100% CBGs *	Bottom 90%	(100%- 0 0%)/100%	Bottom 70%	(100%-70%)/100%	Bottom 60%	(100%-60%)100%
Vermont							
	\$35,858,893	\$32,685,777	8.8%	\$24,752,762	24.00	446.646.646	-
\$40 benchmark	\$51,951,872		9.8%		31.0%	\$16,816,312	
\$30 benchmark	\$72,293,239	\$46,883,995		\$34,940,866	32.7%	\$23,580,297	
\$20 benchmark	\$29,792	\$64,524,458	10.7%	\$47,692,436	34.0%	\$32,286,176	
HH Income	\$25,752	\$40,625		\$32,436		\$28,687	
Virginia							
\$40 benchmark	\$99,618,917	\$96,929,941	0.7%	\$88,177,839	11.5%	\$66,910,433	32.8%
\$30 benchmark	\$188,054,501	\$183,948,384	2.2%	\$157,874,688	16.0%		
\$20 benchmark	\$377,184,292	\$352,557,139	6.5%	\$280,475,018	25.6%		48.5%
HH Income	\$33,328	\$57,273		\$37,467		\$28,250	
Washington					<u> </u>	<u> </u>	
\$40 benchmark	\$76,625,619	\$75,376,447	1.6%	\$87,485,025	11.9%	\$52,213,427	31.9%
\$30 benchmark	\$131,124,036	\$125,492,230	4.3%	\$106,923,569			
\$20 benchmark	\$279,458,573	\$255,546,319	8.6%	\$201,634,397			50.9%
HH Income	\$31,183	\$47,574		\$36,719		\$30,515	
W. Virginia	<u> </u>		<u> </u>		ļ		1
\$40 benchmark	\$96,501,878	\$93,716,019	2.9%	\$80,700,189	16.4%	\$60,926,788	36.9%
\$30 benchmark	\$145,860,346	\$139,234,319	4.5%	\$116,636,074			41.0%
\$20 benchmark	\$214,204,712		6.6%				44.9%
HH Income	\$20,795		0.0.0	\$23,750		\$19,907	
Minorania							
Wisconsin	2467 482 626	\$104,539,244	. 2.7%	\$89,461,090	16.7%	667 204 504	27.50
\$40 benchmark	\$107,453,939						
\$30 benchmark	\$187,460,245						
\$20 benchmark	\$343,209,336						
HH income	\$29,442	\$43,375		\$33,250		\$28,113	
Wyoming							
\$40 benchmark	\$27,183,736	\$24,692,380					
\$30 benchmark	\$35,529,658	\$32,099,703					59.2%
\$20 benchmark	\$50,296,544	\$45,096,994	10.3%	\$30,377,360	39.69	\$19,642,193	60.9%
HH Income	\$27,096	\$41,442		\$30,441		\$24,635	3
Entire US:			 			+	
\$40 benchmark	\$4,258,662,622	\$4,122,592,060	3.2%	\$3,477,992,715	18.37	\$2,451,285,341	42.4%
\$30 benchmark							
\$20 benchmark							
*Note: Househol	d income at the 100	% level is the median	income for that stat	<u> </u>			
		e household income					
						<u> </u>	
Sources: BCM2	1990 Census of Po	pulation and Housing	Summary Tape Fil	9 3 ∧			ــــــــــــــــــــــــــــــــــــــ